

Appendix A

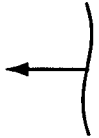
hTIR1 120	SLRG	OHHELEQGLLAYSF	ITLAVIGPDSINRPAITLITLISPELPMISVASSSETISVERQIPSEYRIPLINDKYQVENVLLTRQEGNTISTVSSDDYQGLQVLEENQFG	236
rTIR1 119	PLQG	PRHLEIQGLRNHSS	KVAVIGPNDIDHIVTADLIGPELMISVASSSWISARKEPSEIRPVPSRDREQVEMQVQISGNNVISTLSYGDYQGLQVLEENQFG	235
hTIR2 116	AHE	DNLPKPEDSMTS	RLVAVIGPDSSESTVAVESLHLLPQITLSHSDLRDQKPEVATLRKTPSSLDITVEMQVQLHETPAHITVWSSDYQDNGGLGGRVPR	231
rTIR2 119	ADQ	DDLPFLKQDSQMP	HLVAVIGPDSSESTVAVESLHLLPQITLSHSDLRDQKPEVATLRKTPSSLDITVEMQVQLHETPAHITVWSSDYQDNGGLGGRVPR	235
hTIR3 118	AKAG	SRDPAAYCNYQDP	RLVAVIGHSSELMVMTGEESEFLMPQVSGSVELISARETPESEIRPVSDYQVLTAAALQEGNNVAVLSSDDYQGLQSTSESLTPAR	234
rTIR3 118	AKVG	SQSLAAYCNYQDP	RLVAVIGHSSELMVMTGEESEFLMPQVSGSVELISARETPESEIRPVSDYQVLTAAALQEGNNVAVLSSDDYQGLQSTSESLTPAR	234
mgLIR1 124		RDSLSIRDEQLNRCPLDQDTLPGRCTKPLAGVIGGSSVAVIQMQLQLEDTQINSAISLISDITLYKVELNVPESDTQARANDIVKRYNITVSVHEEGNTESQAMENELADQ	252	

[illegible]

hT1R1 355 G-----SWSSNOLQREQDAFMAHTMPTKIFAS-----MSSANAMAPAAVAAGHGHQIMGA-----SGAQR-GRAPVQOHIDQTHKHEL-THKQVAFNDNRDPLSSNIMANDN-EPKW-ITVL 466
 rT1R1 354 G-----SWSTNOIQRECHTITPTMPTLGAS-----MSANDEVMAVAAGHGHQIMGOT-----SEIQSR-GRAPVQOHIDQHKVEL-IHENIVAFEDNGLUGYDIMANDN-EPW-TEII 465
 hT1R2 356 S-----YLO--NOODNOLMAHLSFNTILRLSS-----ERMMSVMSAAVAHAHLSHGCD-----KSTQK-RVAPVQOHIDQTHKANT-ILDHQIEHPGQALHETIQONDQRON-EPQSV 465
 rT1R2 360 R-----TTC--NOODACILNKSENNIILHSG-----ERMMSVMSAAVAHAHLSHGCA-----RVQTK-QKAPVQOHIDQTHKANT-ILGNRLIEHQGDMPLIDHQQONDQRON-EPQSI 469
 hT1R3 356 EREGGLEEDVGGQPPQDCITLQNSAGLN-----HHQTSMAAAVASAPQALHETILQCA-----ASGQPADPAPVQOHENNNNTLTH-VGQIFIRESSANDMEBDLKLMMQSGVP-RLHDV 471
 rT1R3 355 -AEIDLEERMGPGQSQDYIMQLNLSGIMQMSAGOLHGHIPATIPAAVSAQALHETILQCA-----VSHQTSPPADPQOHENNNNMSR-ARDILIQHAKSGIMEDLKMMSQSTP-VLHTV 478
 mGluR1 374 HR-----FQRLPGHLLENHKKVCIGNESILEENYVQ--DSMGVILNATIMAHGILQIMHAILCPHGVLQDAMKHIDGRKHIDELIKSSHVGVSGEEMTEDEKGPAGNIDINNIQTEANRDYVM 497

FIG. 1A

FROM FIG. 1A



HT1R1 467	SSSTWSPVQINNETKQNHGKQVQFPKSSSDGHPGHOR-VWIGHHGCEENKPOGAGTEIN-KSDLYKPCCKAEWPPSSQICPRPIMLEALRPHITSWHAAANTHIIIEATIGTAQFAWHLDD	594
HT1R1 466	SSASLSPVHIDINKTLEQWHEGNNQAPVSVQTTDILAGHHR-VWGGSHCCCEKVEDEAGTEIN-MSELIHQPSGHEWAPKSHKCHRRIVELEWHEEJISWJIANVILIEANGTAQFAWHLDD	593
HT1R2 466	ASVYPLQROKKN-IQDLSMHNNTIPMSCKRQSGOK-KPVGHHVCCHEQDQDLPGETAHNEDENCOQAPNNENSYSQSKROLVEWHEEPLIYVALEAGETSTAAITMNTNCH	593
HT1R2 470	ASVSPSKRIY-IINVSMTIPNNVWSSCKSGFGOM-KSVGELHPGCEQIDQMGVILNSADEHQLSQSGWSTKNDITICQRPPTLFWHEVHLIYVALEAGETSTAAITMNTNCH	597
HT1R3 472	GFN-GSLRTER--LEPWEHSDQCKPSSCKRQDQDQMR-RWKGHSQDQVDQDQSGYRQ-NPDIAQTEQDQESPSSTIRCHRRSRRLANGSPAMITHEHLSATGIMATGFAVHRPS	596
HT1R3 479	GFEN-GTLDQH--SKWVRG--NOVWSSCKRQDQDQMR-RWKGHSQDQVDQDQSGYRK-HPDLEQTEQDQESPSSTIRCHRRSRRLANGSPAMITHEHLSATGIMATGFAVHRPS	601
MG1UR1 498	GIWH--EGVLEDDYKQMNK--SGWRSVCSPELKGQILVIRKGVSCQMTQDQKENEVQ--DEDTQDQDQGWPPNBEVIGQEPITVRLNSDIESIIRAIPEQDGIIMIEFVTLIEVLYRDI	620
HT1R1 595	PAWSSACGQKCEIMISLAASSSLYGFHCEPIRPAQHRAHMLGEEHLSCEITERSQDILIEKSTIMEPTFHAWONGGIFAM-ISSAQDITQIMLAWWEPDPA-REXQRPHEMLDQTE	722
HT1R1 594	PAWSSACGQKCEIMISLAASSSLYGFHCEPIRPAQHRAHMLGEEHLSCEITERSQDILIEKSTIMEPTFHAWONGGIFAM-ISSAQDITQIMLAWWEPDPA-REXQRPHEMLDQTE	721
HT1R2 594	PIWRSACGQKCEIMITLILVAVWMPVYGFPIKMSQCEQRMPLDCEHQLSQSIAHRSQICAKEMASPEPRASYNRYOQYNSM-FITVLMVLMGMLATGISTPTNDDDEKTIWSONP	722
HT1R2 598	PAWSSACGQKCEIMITLILVAVWMPVYGFPIKMSQCEQRMPLDCEHQLSQSIAHRSQICAKEMASPEPRASYNRYOQYNSM-FITVLMVLMGMLATGISTPTNDDDEKTIWSONP	726
HT1R3 597	PIWSSACGQKCEIMITLILVAVWMPVYGFPIKMSQCEQRMPLDCEHQLSQSIAHRSQICAKEMASPEPRASYNRYOQYNSM-FITVLMVLMGMLATGISTPTNDDDEKTIWSONP	724
HT1R3 602	PIWSSACGQKCEIMITLILVAVWMPVYGFPIKMSQCEQRMPLDCEHQLSQSIAHRSQICAKEMASPEPRASYNRYOQYNSM-FITVLMVLMGMLATGISTPTNDDDEKTIWSONP	729
MG1UR1 621	PAWSSACGQKCEIMITLILVAVWMPVYGFPIKMSQCEQRMPLDCEHQLSQSIAHRSQICAKEMASPEPRASYNRYOQYNSM-FITVLMVLMGMLATGISTPTNDDDEKTIWSONP	748
HT1R1 723	TSLSGELTATFNGHASTISLACSYEGNDLPVNAEAKOMTESLLENVSWPAEETLTSMDKMLPAAWAGTSSSGGGVEIPKGVABCRPDASTPHQASIODVRRCSST	841
HT1R1 722	VSSTGELTATFNGHASTISLACSYEGNDLPVNAEAKOMTESLLENVSWPAEETLTSMDKMLPAAWAGTSSSGGGVEIPKGVABCRPDASTPHQASIODVRRCSST	840
HT1R2 723	NYRNSHLENTSIDLHVSQSTPMGGELPIVNAEAKOMTESLLENVSWPAEETLTSMDKMLPAAWAGTSSSGGGVEIPKGVABCRPDASTPHQASIODVRRCSST	839
HT1R2 727	NYRNGHLENTSIDLHVSQSTPMGGELPIVNAEAKOMTESLLENVSWPAEETLTSMDKMLPAAWAGTSSSGGGVEIPKGVABCRPDASTPHQASIODVRRCSST	843
HT1R3 725	RSMSSGELAHANATLALALALGELVRSQPGRYNARGLMAMIANEILWSSVAFANVOMLRPAMQGLIECVGELAAEHLRQCLANQRLGAVPEHPLGGGRPAQOGQNDGN-TGNGGKHE	852
HT1R3 730	RSMSSGELAHANATLALALALGELVRSQPGRYNARGLMAMIANEILWSSVAFANVOMLRPAMQGLIECVGELAAEHLRQCLANQRLGAVPEHPLGGGRPAQOGQNDGN-TGNGGKHE	858
MG1UR1 749	SN-LGVAVPGVNGEILNSQTYVAEKTRNVPANFNEAKVDEEMVTTQIIMLLEALVYGSN--LKILIECHAVSVSYVAECMETPANNYIILAKPERR	845

FIG. 1B